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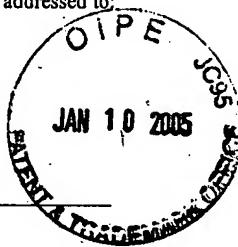
P.O. Box 1450

Alexandria, VA 22313-1450

On December 28, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Karen Karlin



PATENT

Attorney Docket No.: 02307O-087130US

Client Ref. No.: 2000-468-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

VREELAND, Valerie

Application No.: 10/691,383

Filed: October 21, 2003

For: RECOMBINANT MINIMAL
CATALYTIC VANADIUM
HALOPEROXIDASES AND THEIR
USES

Customer No.: 20350

Confirmation No. 8387

Examiner: WALICKA, Malgorzata A.

Technology Center/Art Unit: 1652

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed October 8, 2004, please enter the following amendments and remarks:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks begin on page 5 of this paper.